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PA - SAMSUNG ELECTRONICS CO LTD (KR)

IN - KIM HONG-HAN (KR)

AB - The amplitude-phase demodulator includes an interface, an amplifier for amplifying the output of the interface, an equalizer for compensating for the attenuation and distortion of the amplified signal, a gain control circuit for amplifying and low-pass filtering the output of the equalizer, a base-band signal extracting circuit for demodulating the amplitude and phase of the amplitude-phase modulated signal output from an analog switch, a digital converter for sampling/holding the extracted base band signal, a multiply-by-two waveform shaper for full-wave rectifying the amplitude-phase modulated signal and multiplying it by two, a DPLL for phase-locking the clock of the multiply-by-two waveform shaper and the clock of a video processor, a clock generator for feeding a sync detecting clock, a sample/hold, and a digital conversion start signal to the base-band signal extracting circuit and digital converter, a controller for outputting gain control data and reading the output of the digital converter by a predetermined period, and a digital video processor for storing digital video data and outputting the video data in an analog signal.

TI - AM-PM DEMODULATION APPARATUS OF VIDEO-PHONE

NPR - 1

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PAW - SAMSUNG ELECTRONICS CO LTD (KR)

INW - KIM HONG-HAN (KR)

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